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What topics are covered in the second edition of solar energy?

Additionally, this Second Edition covers solar modules and solar generators; system technology of grid connected plants; the storage of solar energy; photovoltaic measurement technology; the planning and operation of grid-connected systems; economic efficiency of PV systems; and the future development of PV.

Who is Konrad Mertens?

Konrad Mertens, PhD, is Professor at Münster University of Applied Sciences, Germany, where he covers the subjects of photovoltaics, sensor technology, and optoelectronics. He is also the founder and head of the university's photovoltaic test lab and head of the lab of sensor technology and optoelectronics.

Who is Professor Mertens?

Professor Mertens is author of the German text Photovoltaik - Grundlagen, Technologie und Praxis, and is court-appointed expert for photovoltaic plants. Abbreviations xiii 1 Introduction 1 1.1 Introduction 1 1.1.1 Why Photovoltaics? 1 1.1.2 Who Should Read this Book? 2 1.1.3 Structure of the Book 2 1.2 What is Energy? 3 1.2.1 Definition of Energy 3

How many exercises are there in a photovoltaic plant?

12 Exercises 307 A Solar Radiation Diagrams 317 B Checklist for Planning, Installing, and Operating a Photovoltaic Plant 327 C Physical Constants/Material Parameters 329 References 331 Further Information on Photovoltaics 339 Index 341

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Konrad Mertens: Photovoltaics - Fundamentals, Technology and Practice, 1. st. Edition . Corrections. Chapter 1: o Page 4, Equation 1.6: instead of " $1 \text{ J (Joule)} = 1 \text{ Ws} = 1 \text{ Nm} = 1 \text{ kg} \cdot \text{m}^2/\text{s}^2$ " it has to be: " $1 \text{ J (Joule)} = 1 \text{ Ws} = 1 \text{ Nm} = 1 \text{ kg} \cdot \text{m}^2/\text{s}^2$...

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